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transmitted to the USPTO (703) 746-4000, on the date indicated below. Michael A. O'Neil Michael A. O'Neil, P.C. Snite 820 5949 Sherry Lane BEST AVAILABLE COPY Dallas, TX 75225 (Depositor's name (Bigs (Date APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/750.015 Eric W. McFarland 500451-1005 9328 TITLE OF INVENTION: APPARATUS AND METHOD FOR PHOTOVOLTAIC ENERGY PRODUCTION BASED ON INTERNAL CHARGE EMISSION IN A SOLID-STATE HETEROSTRUCTURE SMALL ENTITY ISSUE FEE **PUBLICATION FEE** APPLN. TYPE TOTAL FEE(S) DUE DATE DUE nonprovisional VES \$700 \$300 \$1000 03/21/2005 EXAMINER ART UNIT CLASS-SUBCLASS DIAMOND, ALAN D 1753 136-255000 Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list Michael A.O'Wei (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Adrena, Inc. Carpinteria, California Please check the appropriate assignce category or categories (will not be printed on the patent) : 🔲 Individual 🚨 Corporation or other private group entity 🖵 Government 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): Nsuc Fee A check in the amount of the fee(s) is enclosed. Dublication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). Advance Order - # of Copies \_ 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2) The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will pee be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the reopress of the United Settes Patent and Tradymark Office. Authorized Signature ONei Typed or printed name Michael Registration No: This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Compretee, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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Applicant(s): Eric W. McFarland			500451-1005
Application No.	Filing Date	Examiner	Group Art Unit
10/750,015	12/31/03	Alan D. Diamond	1753
Invention: APPARATUS & METHOD FOR PHOTOVOLTAIC ENERGY PRODUCTION BASED ON INTERNAL			
CHARGE EMISSION IN A SOLID-STATE HETEROSTRUCTURE			
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